

AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (withdrawn)
2. (withdrawn)
3. (withdrawn)
4. (withdrawn)
5. (withdrawn)
6. (withdrawn)
7. (amended) A method for identifying cis-aminoacylating catalytic RNA molecules comprising the steps of:
 - a. providing a tRNA-like molecules;
 - b. providing a ribozyme domain molecules;
 - c. attaching the ribozyme domain molecules to the 5' end of the tRNA-like molecules to obtain a pool of ribozyme-tRNA molecules;
 - d. contacting the ribozyme-tRNA molecules with an amino acid substrate wherein the amino acid substrate is not conjugated to RNA to obtain aminoacylated RNA molecules and non-aminoacylated RNA molecules; and
 - e. ~~partitioning the aminoacylated ribozyme tRNA molecules from the remainder of the ribozyme tRNA molecules to obtain cis-aminoacylating catalytic RNA molecules~~ partitioning aminoacylated RNA molecules from non-aminoacylated RNA molecules wherein the aminoacylated RNA molecules are cis-aminoacylating catalytic RNA molecules aminoacylated with the amino acid substrate at the 3' end of the ribozyme-tRNA molecules.
8. (withdrawn)
9. (withdrawn)
10. (withdrawn)
11. (withdrawn)
12. (withdrawn)

13. (amended) The method of claim 7, wherein the tRNA-like molecule consists of SEQ ID NO: 16.
14. (previously presented) The method of claim 7, wherein the ribozyme domain molecule consists of SEQ ID NO: 9.
15. (previously presented) The method of claim 7 wherein the cis-aminoacylating catalytic RNA molecules consist of, from 5' to 3', SEQ IN NO: 9, SEQ. ID NO: 16.
16. (previously presented) The method of claim 7 wherein the amino acid substrate is an N-biotinyl-L-aminoacyl-cyanomethyl-ester.
17. (amended) A method for ~~constructing~~ identifying cis-aminoacylating catalytic RNA molecules comprising the steps of:
 - a. providing RNA molecules having a tRNA-like domain and a 5'-leader ribozyme;
 - b. contacting the RNA molecules with an amino acid substrate wherein the amino acid substrate is not conjugated to RNA; and
 - c. partitioning aminoacylated RNA molecules from non-aminoacylated RNA molecules wherein the aminoacylated RNA molecules are cis-aminoacylating catalytic RNA molecules aminoacylated with the amino acid substrate at the 3' end of the ribozyme-tRNA molecules.
18. (amended) The method of claim 17 wherein the tRNA-like-domain is SEQ ID NO: 16.
19. (amended) The method of claim 17 wherein the 5'-leader ribozyme is SEQ ID NO: 9.
20. (previously presented) The method of claim 17 wherein the amino acid substrate is an N-biotinyl-L-aminoacyl-cyanomethyl-ester.